

Thin-Film and Printed Battery Markets 2012

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Abstracts

The thin-film/printed battery sector has sent out mixed messages in the past year. Several of longstanding firms in this space have established entirely plausible business models that could lead to profitability in a year or so. Yet, at the same time, a few notable thin-film/printed battery firms have quit altogether.

With these changes in mind, it seems that the thin-film/printed battery space is in need of re-examination and this is the goal of this report. Building on NanoMarkets six years of covering the thin-film/battery, space, this report analyzes in detail the current strategies of the firms that now dominate this space and develops an extensive forecast of thin-film/printed batteries over the next eight years. The report also examines where firms in this business are likely to get funding in the near-term future.

The report begins with an examination of the latest trends in manufacturing and technology for thin-film and printed batteries and the main drivers for these trends. This discussion includes considerations of role of latest generation of functional printing technology, how manufacturing infrastructure is being shaped by supply chain considerations, as well as product design and performance trends.

Finally, the report identifies and quantifies the major applications that NanoMarkets believes can create a viable market for thin-film and printed batteries. We take a look, in particular, at the current state of smartcards and RFID as applications for the kinds of batteries that are covered in this report, since these have been touted in the past as “killer apps.” We also examine how value can be created by thin-film/printed battery firms by building their strategies around evolving product/market ecosystems supporting low-cost electronics applications.

As with all NanoMarkets reports, this report contains detailed forecasts with breakouts by type of application and type of manufacturing. Both volume and value forecasts are

included. We also include detailed profiles of the key firms to watch in this space.

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